



TECHNICAL DATA SHEET - AQUALINE 300 TROWEL GRADE

Revised: 05/2018

PRODUCT DESCRIPTION

A two component 100% solids ambient temperature curing elastomeric coating system. Originally developed for application onto concrete to compliment Aqualine 300 for use in high build applications such as jointing and filleting, also where substantial surface imperfections are present and there is insufficient downtime to undertake more conventional cement based repairs.

RECOMMENDED APPLICATIONS

- Ideal for sewage digester soffits, effluent tanks.
- Repair of dredging hoses.
- Secondary containment applications for mild acid and alkali contact.

FEATURES

- High build makes the product suited to vertical and overhead operations.
- 100% solids.
- Excellent adhesion to a variety of substrates with suitable primer.

PACKAGE SIZE

4.0L

PRODUCT DATA

PHYSICAL PROPERTIES

COLOUR	P Component is Clear C Component is Black Mixed product is Black
MIX RATIO BY VOLUME	2.0 : 1
MIX RATIO BY WEIGHT	1.4 : 1
% SOLIDS BY VOLUME	100
POT LIFE AT 15°C (Mins)	45-55
POT LIFE AT 25°C (Mins)	30-40
POT LIFE AT 35°C (Mins)	15-25
WET FILM BUILD (mm)	As required

PERFORMANCE PROPERTIES

TENSILE STRENGTH (MPa) BS6903 PART A2	10-15
ELONGATION (%) BS6903 PART A2	200-250
TEMPERATURE RESISTANCE (°C)	Maximum 65
COVERAGE (APPROXIMATE)	1.0 L/m ² /mm dft
CURED HARDNESS (SHORE A) BS6903 PART A57	93-98

APPLICATION INFORMATION

SURFACE PREPARATION

Proper surface preparation is essential to achieve the full potential of the system. Consult the relevant method statement for the application / substrate in question.

Product should only be applied in conditions where the Temperature is >3°C above the dew point and Relative Humidity is <85%.

MIXING

Prior to commencing use of the product ensure that the two components are stored a temperature of no lower than 20°C, a temperature of around 25°C is preferable and can be achieved by means of indirect heating with water or in a heated room.

Thoroughly mix the C component prior to use. Transfer all of the C component into the P component and mix thoroughly using a variable speed mixer with a spiral or jiffy type mixer paddle taking care not to mix air into the product. Minimum mixer speed should be 800 rpm. Mix the product for 2 minutes, scrape the sides of the container with a long bladed spatula to ensure there is no unmixed product then mix for a further 1 minute. Transfer the contents into another container and mix for a final minute.

DO NOT BREAK DOWN KITS

APPLICATION

Product should be applied by trowel to both horizontal and vertical surfaces.

Review the appropriate method statement for detailed application instruction.

CURE

Cure times are quoted in the table below.

	SUBSTRATE TEMPERATURE		
	10°C	20°C	30°C
CURE WALK ON @ 1.5MM (HOURS)	5	3	2
CURE LIGHT DUTY @ 1.5MM (DAYS)	1-2	1-2	1-2
CURE 80% @ 1.5MM (DAYS)	10	5	3
CURE 100% @ 1.5MM (DAYS)	20	12	7
RECOAT TIME MINIMUM (MINUTES)	90	60	30
MAXIMUM WITHOUT REACTIVATION (HOURS)	16	8	6
SOLVENT WIPE + UU55 & OVERCOAT	16-36	8-24	6-12
ABRADE + SOLVENT WIPE + UU55 & OVERCOAT	>36	>24	>12

CLEAN UP

All equipment should be thoroughly cleaned directly after use using MEK or suitable alternative where possible.

SHELF LIFE & STORAGE

A shelf life of 12 months from date of shipment can be expected when stored at room temperature (22°C) in their original containers.

PRECAUTIONS

For complete safety and handling information, please refer to Material Safety Data Sheets prior to using this product.

WARRANTY

ITW Performance Polymers will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control we can accept no liability for the results obtained.

DISCLAIMER

All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Performance Polymers makes no representations or warranties of any kind concerning this data.

For further product information or technical assistance please call +353 61 771 500.